



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Form Approved OMB Nos. 2070-0060; 2070-0057;
2070-0107; 2070-0122; 2070-0164

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DATA MATRIX

Date 12/13/2018 EPA Reg No./File Symbol 2724-481 Page 1 of 14

Applicant's/Registrant's Name & Address Wellmark International
1501 E. Woodfield Rd., Suite 200W
Schaumburg, IL 60173

Product
TAU-FLUVALINATE TECHNICAL

Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	44694101, 46573801, 46527803, 47148902	Wellmark International	OWN	
830.1600	Description of Materials	46527803, 47148902	Wellmark International	OWN	
830.1620	Production Process	46527803, 47148902	Wellmark International	OWN	
830.1600-1700	Formulation of Impurities, Preliminary Analysis	45598801, 46527803, 46527804, 44701401, 47148902	Wellmark International	OWN	
830.1700	Preliminary Analysis	44701401, 47148902	Wellmark International	OWN	
830.1750-1800	Analytical Method & Validation	45598801, 46527804, 46527801, 47338001, 47148902	Wellmark International	OWN	
830.1750	Certification of Limits	46527801, 47148902	Wellmark International	OWN	
830.6302-6304	Physical and Chemical Properties, Color, Odor, Physical State	46527802, 47148902	Wellmark International	OWN	
830.6313	Physical and Chemical Properties: Stability to Normal and Elevated Temperature, Partition Coefficient, Solubility and Vapor Pressure	44694101, 47148902	Wellmark International	OWN	
830.6314	Oxidizing/Reducing Action	46527802, 47148902	Wellmark International	OWN	
830.6315	Flammability	46527802, 47148902	Wellmark International	OWN	
830.6316	Explosibility	46527802, 47148902	Wellmark International	OWN	
830.6317	Storage Stability	46109301, 44694101, 44136301, 41889713, 47148902	Wellmark International	OWN	
830.6319	Miscibility	47148902	Wellmark International	OWN	
830.6320	Corrosion Characteristics	47148902	Wellmark International	OWN	

Signature

Name and Title
Martin Hoagland, Sr. Regulatory
Manager

Date
12/13/2018



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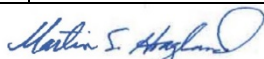
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Date	12/13/2018	EPA Reg No./File Symbol	2724-481	Page 2 of	14
Applicant's/Registrant's Name & Address	Wellmark International 1501 E. Woodfield Rd., Suite 200W Schaumburg, IL 60173		Product TAU-FLUVALINATE TECHNICAL		

Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6321	Dielectric Breakdown Voltage	47148902	Wellmark International	OWN	
830.7000-7300	pH, Viscosity, Relative Density	46527802, 46573801, 47148902	Wellmark International	OWN	
830.7050	UV/Visible Absorption	46573801	Wellmark International	OWN	
830.7200	Melting Point	47148902	Wellmark International	OWN	
830.7220	Boiling Point	46573801, 47148902	Wellmark International	OWN	
830.7520-7570	Partition Coefficients, Particle Size, Fiber length, and Diameter Distribution	44694101, 47148902	Wellmark International	OWN	
830.7840, 830.7860, 830.7950	Solubility and Vapor Pressure	44694101, 47148902	Wellmark International	OWN	
830.7370	Dissociation Constant	41597201, 47148902	Wellmark International	OWN	

Signature		Name and Title	Martin Hoagland, Sr. Regulatory Manager	Date	12/13/2018
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Applicant's/Registrant's Name & Address Wellmark International 1501 E. Woodfield Rd., Suite 200W Schaumburg, IL 60173	Product TAU-FLUVALINATE TECHNICAL	

Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
835.2120	Environmental Fate: Hydrolysis	45769201, 45769202, 45769203, 45769204, 41597303, 41597304	Wellmark International	OWN	
835.2240	Photodegradation in Aqueous Solution	45769201, 45769203, 41597305, 41597306	Wellmark International	OWN	
835.2410	Photodegradation in Soil	45769201, 45769204, 41597307, 41597308,	Wellmark International	OWN	
835.4100	Aerobic Soil Metabolism Study	45769201, 41889715	Wellmark International	OWN	
835.4400	Anaerobic Aquatic Metabolism Study	41996201, 42742501	Wellmark International	OWN	
835.4300-4400	Anaerobic and Aerobic Aquatic Metabolism Studies	49862201, 49862202	Wellmark International	OWN	DCI Submission
835.1230-1240	Adsorption and Desorption in Soil	45769201, 45769204, 41597309, 41597310	Wellmark International	OWN	
835.6100	Terrestrial Field Dissipation	41889716, 41996202, 42351601, 42351600, 41996200, 50552101	Wellmark International	OWN	50552101 is DCI Submission
835.6200	Aquatic Field Dissipation	49980701, 49980702, 49980703	Wellmark International	OWN	DCI Submission
850.1010	Acute Toxicity in <i>Daphnia magna</i>	92069015	Wellmark International	OWN	
850.1025-1075	Analytical Method Validation in Soils and Turf	50552102	Wellmark International	OWN	DCI Submission
850.1025-1075	Life Cycle Toxicity Test in Midge (<i>Chironomus dilutus</i>)	50365201	Wellmark International	OWN	DCI Submission
850.1025-1075	Life Cycle Toxicity Test in Freshwater Amphipod (<i>Hyaella azteca</i>)	50098801	Wellmark International	OWN	DCI Submission
850.1025-1075	Flow-Through Life-Cycle Toxicity Test in Saltwater Mysid (<i>Americamysis bahia</i>)	47659302	Wellmark International	OWN	DCI Submission
850.1025-1075	7-Day Static Renewal Toxicity Test in Duckweed (<i>Lemna gibba</i> G3)	49264801	Wellmark International	OWN	DCI Submission
850.1025-1075	96-Hour Toxicity Test in Freshwater Alga (<i>Pseudokirchneriella subcapitata</i>)	49264802	Wellmark International	OWN	DCI Submission

Signature 	Name and Title Martin Hoagland, Sr. Regulatory Manager	Date 12/13/2018
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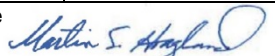
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Applicant's/Registrant's Name & Address Wellmark International 1501 E. Woodfield Rd., Suite 200W Schaumburg, IL 60173	Product TAU-FLUVALINATE TECHNICAL	

Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID No.	Submitter	Status	Note
850.1025-850.1075	96-Hour Shell Deposition Test in Eastern Oyster (<i>Crassostrea virginica</i>)	49264803	Wellmark International	OWN	DCI Submission
850.1025	Acute Toxicity Test in Eastern Oysters	92069019	Wellmark International	OWN	
850.1035	Acute Toxicity Test in Mysid shrimp	92069020	Wellmark International	OWN	
850.1075	96-Hour-Flow-Through Acute Toxicity in Bluegill (<i>Lepomis macrochirus</i>)	47338002	Wellmark International	OWN	
850.1075	96-Hour-Flow-Through Acute Toxicity Test in Rainbow Trout (<i>Oncorhynchus mykiss</i>)	47338003	Wellmark International	OWN	
850.1075	96-Hour-Flow-Through Acute Toxicity Test with Sheepshead Minnow (<i>Cyprinodon variegatus</i>)	47338004	Wellmark International	OWN	
850.1075	Acute Toxicity Test in Bluegill Sunfish (<i>Lepomis macrochirus</i>)	92069009	Wellmark International	OWN	
850.1075	Acute Toxicity Test in Sheepshead Minnow (<i>Cyprinodon variegates</i>)	92069018	Wellmark International	OWN	
850.1300	Flow-Through Life Cycle Toxicity Test in Cladoceran (<i>Daphnia magna</i>)	47338006	Wellmark International	OWN	
850.1300	Chronic Toxicity Test in <i>Daphnia magna</i>	92069022	Wellmark International	OWN	
850.1300	48-Hour-Flow-Through Acute Toxicity Test in Cladoceran (<i>Daphnia magna</i>)	47338005	Wellmark International	OWN	
850.1400	Early Life Stage Toxicity Test in Fathead Minnows	92069021	Wellmark International	OWN	
850.1500	Life-cycle Toxicity Test in Sheepshead Minnow	43753501	Wellmark International	OWN	
850.1730	Uptake, Depuration, and Bioconcentration in Bluegill Sunfish	92069044	Wellmark International	OWN	
850.2100-850.2200	Acute Oral Toxicity Study in Zebra Finch	49660602	Wellmark International	OWN	DCI Submission
850.3020-850.3030	Acute/Residual Contact Study in Honey Bees	41783901, 41996203, 41996204	Wellmark International	OWN	
860.1100-860.1900	Residue studies in Food or Feed Commodities	45598800	Wellmark International	OWN	

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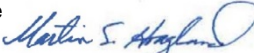
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Applicant's/Registrant's Name & Address Wellmark International 1501 E. Woodfield Rd., Suite 200W Schaumburg, IL 60173	Product TAU-FLUVALINATE TECHNICAL	

Ingredients: Tau-Fluvalinate					
Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100	Acute Oral Toxicity in Mice	92069024	Wellmark International	OWN	
870.1100	Acute Oral Toxicity in Rabbits	92069023	Wellmark International	OWN	
870.1100	Acute Oral Toxicity in Rats	46521901, 46521902	Wellmark International	OWN	
870.1200	Acute Dermal Toxicity	41597301, 41597302, 92069025	Wellmark International	OWN	
870.1300	Acute Inhalation Toxicity	49264804	Wellmark International	OWN	DCI Submission
870.2400	Acute Eye Irritation	92069030, 92069029	Wellmark International	OWN	
870.2500	Acute Dermal Irritation	92069031	Wellmark International	OWN	
870.2600	Dermal Sensitization	41889714	Wellmark International	OWN	
870.3100	90-Day Dietary Toxicity Study in Rats	92069032	Wellmark International	OWN	
870.3150	6-Month Feeding Study	92069033	Wellmark International	OWN	
870.3200	21-Day Dermal Study	92069034	Wellmark International	OWN	
870.3465-6200	Nose-Only Inhalation Neurotoxicity Study in Rats	49660601	Wellmark International	OWN	
870.3465-6200	5-Day Nose-Only Inhalation Toxicity Range-Finding Study	48748701	Wellmark International	OWN	
870.3465-6200	Response to EPA DER for Inhalation Study	50082401	Wellmark International	OWN	
870.3700	Teratology Study in Rodents	44743301, 92069037, 92069053	Wellmark International	OWN	
870.3700	Teratology Study in Rabbit	92069038, 92069054	Wellmark International	OWN	
870.3800	2-Generation Reproduction and Fertility Study in Rats	44596601	Wellmark International	OWN	
870.4100	Chronic Toxicity	92069035, 92069056	Wellmark International	OWN	

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Applicant's/Registrant's Name & Address Wellmark International 1501 E. Woodfield Rd., Suite 200W Schaumburg, IL 60173	Product TAU-FLUVALINATE TECHNICAL	

Ingredients: Tau-Fluvalinate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4100	52-week Chronic Toxicity Study in Dogs	44743201	Wellmark International	OWN	
870.4200	Oncogenicity Study in Rodent	92069048, 92069036	Wellmark International	OWN	
870.4300	Combined Chronic/Oncogenicity Study in Rodent	92069036	Wellmark International	OWN	
870.6100-6200	Delayed and Subchronic Neurotoxicity Study and Developmental Toxicity Study	43433901, 44119501, 44119502, 44119503, 44023301, 44499001	Wellmark International	OWN	
870.6100-6200	Acute Neurotoxicity Screening in Rats and Mice	45898201	Wellmark International	OWN	
870.6100-6200	Neurotoxicity Motor Activity Validation Study in Rats	45898202	Wellmark International	OWN	
870.6100-6200	Neuropathology Validation Study in Rats	45898203, 45898204	Wellmark International	OWN	
870.6200	90-Day Subchronic Neurotoxicity Study in Rats	44900601	Wellmark International	OWN	
870.6200	90-day Subchronic Neurotoxicity Study in Rats	44900601	Wellmark International	OWN	
870.7485	Metabolism and Pharmacokinetics	42322301, 43214101	Wellmark International	OWN	

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Date 12/13/2018 EPA Reg No./File Symbol 2724-481 Page 7 of 14

Applicant's/Registrant's Name & Address Wellmark International
1501 E. Woodfield Rd., Suite 200W
Schaumburg, IL 60173

Product
TAU-FLUVALINATE TECHNICAL

Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID No.	Submitter	Status	Note
875.1100-1200	Applicators: Dermal Outdoor Exposure Dermal Indoor Exposure	44972201, 44972203, 45262901, 45262902, 45663703, 46042401, 46042402, 46190501, 45663701	Wellmark International	OWN	ORETF
875.1300-1400	Applicators: Inhalation Outdoor Exposure Inhalation Indoor Exposure	45663701	Wellmark International	OWN	ORETF
875.1500	Applicators: Biological Monitoring	45663702	Wellmark International	OWN	ORETF
875.1700	Applicators: Product Use Information	44972202	Wellmark International	OWN	ORETF
875.2100	Post-Application: Foliar Dislodgeable Residue Dissipation	44812401, 44812404	Wellmark International	OWN	ORETF
875.2200-2300	Post-Application: Soil and Indoor Surface Residue Dissipation	44972201, 44972203, 45262901, 45262902, 45663703, 46042401, 46042402, 46190501, 45663701	Wellmark International	OWN	ORETF
875.2400	Post-Application: Dermal Exposure	44812402, 44812403	Wellmark International	OWN	ORETF
875.2500	Post-Application: Inhalation Exposure	47338007	Wellmark International	OWN	ORETF
875.2600	Post-Application: Biological Monitoring	45663702	Wellmark International	OWN	ORETF
875.2700	Post-Application: Product Use Information	44972202	Wellmark International	OWN	ORETF
875.2800-3000	Post-Application: Description of Human Activity Data Reporting and Calculations Nondietary Ingestion Exposure	44972202, 44972201, 44972203, 45262901, 45262902, 45663703, 46042401, 46042402, 46190501, 45663701	Wellmark International	OWN	ORETF

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Applicant's/Registrant's Name & Address Wellmark International
1501 E. Woodfield Rd., Suite 200W
Schaumburg, IL 60173 Product
TAU-FLUVALINATE TECHNICAL

Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
			Wellmark International	OWN	
			Wellmark International	OWN	
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			Wellmark International	OWN	
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Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
			Wellmark International	OWN	
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Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
			Wellmark International	OWN	
			Wellmark International	OWN	
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Ingredients: Tau-Fluvalinate

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			Wellmark International	OWN	
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DATA MATRIX

Date 12/13/2018	EPA Reg No./File Symbol 2724-481	Page 12 of 14
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Applicant's/Registrant's Name & Address Wellmark International 1501 E. Woodfield Rd., Suite 200W Schaumburg, IL 60173	Product TAU-FLUVALINATE TECHNICAL
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Ingredients: Tau-Fluvalinate

Guideline Reference No.	Guideline Study Name	MRID Number	Submitter	Status	Note
			Wellmark International	OWN	
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			Wellmark International	OWN	
			Wellmark International	OWN	
			Wellmark International	OWN	
			Wellmark International	OWN	
			Wellmark International	OWN	
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			Wellmark International	OWN	
			Wellmark International	OWN	
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			Wellmark International	OWN	
			Wellmark International	OWN	
			Wellmark International	OWN	
			Name and Title Martin Hoagland, Sr. Regulatory Manager		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
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